

Energy Conservation Audit and Renewable Energy Feasibility Study

Foundation for Children in Need

HRP Associates, Inc. completed an Energy Conservation Audit of this foundation's select facilities including: administrative offices, school group homes, clinics, and maintenance facilities in accordance with EECBG funding requirements. Initially, HRP collected building information (size, number of occupants, hours of operations, on-site activities, etc.) to benchmark each building utilizing EPA's Portfolio Manager.

Following the initial review, HRP completed an inspection of each site to identify potential Energy Conservation Measures (ECMs) including a review of HVAC equipment, lighting, motors, pumps, etc. Each of the potential ECMs were evaluated using appropriate spreadsheets, models, and contract quotes to determine:

- Life expectancy;
- Projected lifetime energy and cost savings;
- Annual CO₂ equivalent savings in pounds;
- Implementation costs;
- Available rebates and grants;
- Total project cost and estimated annual energy and cost savings based on:
 - Simple payback;
 - Return on investment, and
 - Site and source energy input.

HRP is currently working with the foundation to identify ECMs for implementation and to secure funding and incentives to complete the selected ECM projects.

Throughout the process, HRP completed the EECBG reporting requirements.

FIRM

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VALUE

\$29,600

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